

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Cost-Plus-Fixed-Fee		Page 1 Of 7	
2. Amendment/Modification No. P00002		3. Effective Date 2001MAY08		4. Requisition/Purchase Req No. SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By TACOM AMSTA-LC-CHAA KAREN L. FORSGREN (810)574-8507 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: FORSGREK@TACOM.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6) DCM DAYTON AREA C, BUILDING 30 1725 VAN PATTON AVENUE WRIGHT PATTERSON AFB, OH 45433-5302		Code S3605A	
				SCD C PAS NONE ADP PT SC1012			
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) MIL-MAR CENTURY CORP 7883 NORMANDY LANE DAYTON, OHIO 45459 TYPE BUSINESS: Small Disadvantaged Business Performing in U.S.				<input type="checkbox"/>		9A. Amendment Of Solicitation No.	
				<input type="checkbox"/>		9B. Dated (See Item 11)	
				<input checked="" type="checkbox"/>		10A. Modification Of Contract/Order No. DAAE07-00-C-S067	
				<input type="checkbox"/>		10B. Dated (See Item 13) 2000SEP28	
Code 2X262		Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) ACRN: AB NET INCREASE: \$4,950.00							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS							
KIND MOD CODE: G It Modifies The Contract/Order No. As Described In Item 14.							
<input type="checkbox"/>		A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.				The Changes Set Forth In Item 14 Are Made In	
<input type="checkbox"/>		B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).					
<input checked="" type="checkbox"/>		C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: Mutual Agreement of Both Parties					
<input type="checkbox"/>		D. Other (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
SEE SECOND PAGE FOR DESCRIPTION							
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print) GLORIA MCCracken MCCRACKG@TACOM.ARMY.MIL (810)574-5268			
15B. Contractor/Offeror _____ (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America By _____ (Signature of Contracting Officer)		16C. Date Signed	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

CONTINUATION SHEET	Reference No. of Document Being Continued		Page 2 of 7
	PIIN/SIIN DAAE07-00-C-S067	MOD/AMD P00002	
Name of Offeror or Contractor: MIL-MAR CENTURY CORP			

SECTION A - SUPPLEMENTAL INFORMATION

CONTRACT FOR: Study for Container Handling Unit (CHU) on the HEMTT-LHS.

PURPOSE OF THIS MODIFICATION: Revise Scope of Work

PREVIOUS CONTRACT AMOUNT: \$232,846.00

AMOUNT OF THIS ACTION: \$ 4,950.00

CURRENT CONTRACT AMOUNT: \$237,796.00

1. The purpose of Modification P00002 is to revise Scope of Work (see pages 4-7). The following paragraphs are incorporated in the Scope of Work: C.2.3.2.1 (GFE), C.2.3.3.1 (Testing), C.2.3.3.2 (Engineering Support), and C.4.1.1 (Schedule). As a result, CLIN 0001AD is added.
2. All other terms and conditions remain unchanged.
3. Contractor and Government do mutually agree that all claims and obligations arising from this action are hereby satisfied.
4. As a result of this Modification, the contract obligation is hereby increased by \$4,950.00 from \$232,846.00 to \$237,796.00.

*** END OF NARRATIVE A 002 ***

Name of Offeror or Contractor: MIL-MAR CENTURY CORP

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AD	<div>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</div> <div>SERVICES LINE ITEM</div> <div>NOUN: PH II HEMTT LHS-CHU GUN MNT SECURITY CLASS: Unclassified PRON: J612M831J6 PRON AMD: 01 ACRN: AB AMS CD: 511089</div> <div>Phase II Gun Mount/Eng Support</div> <div>Estimated Cost </div>				

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;"> PIIN/SIIN DAAE07-00-C-S067 MOD/AMD P00002 </p>	<p style="text-align: center;">Page 4 of 7</p>
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Name of Offeror or Contractor: MIL-MAR CENTURY CORP

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

Statement of Work

Container Handling Unit Stowage on HEMTT-LHS

C.1 General: The contractor, as an independent contractor and not as an agent of the Government, shall furnish the supplies and services to accomplish the engineering analysis/modeling, engineering design, prototype, initial production and related technical support functions for this contract. The contractor shall provide a performance description and technical drawings that provide for a feasible and economic solution for the stowage of all Container Handling Unit (CHU) components on the Heavy Expanded Mobility Tactical Truck with Load Handling System (HEMTT-LHS, M1120) that do not currently have stowage locations and procedures.

C.1.1 Duplication: In accomplishing the tasks under this contract, the Contractor shall not duplicate or otherwise provide efforts, present or future, already required to be performed under any other current or past contract.

C.1.2 Meetings:

C.1.2.1 Integrated Product Team Reviews: The Government and contractor will jointly manage the Container Handling Unit Stowage effort using the Integrated Product Team Process. A joint Government/Contractor IPT shall be established no later than the Start of Work meeting and will serve as the primary tool for managing contract performance. The Start of Work meeting shall be held no later than 10 days after contract award and will be held at the contractor's facility. The contractor shall prepare and present IPT phase reviews. The focus of these reviews shall, as a minimum, be on the efforts performed and projected performance in the next phase.

C.1.2.2 End of Phase/Design Reviews: Reviews shall be held to ensure efficient contract performance. The contractor shall brief the Government on program progress as well as any problems encountered. In addition to the technical progress, an overview of total hours expended and cost incurred (at the CLIN level) to date shall be included. These reviews shall be conducted at the contractor's facility. Phase reviews will be scheduled at the end of each phase to determine if the next phase should be started. Written approval from the PCO must be obtained prior to proceeding to the next phase. The contractor shall submit minutes from each review per DI-ADMIN-81505, CDRL A001.

C.2 Scope: This statement of work covers the performance required of the contractor to support the engineering analysis/modeling, engineering design, build prototype(s) and technical drawings.

C.2.1 Phase I Concept Development: Stowage of the CHU on the HEMTT-LHS is a concept development effort. Areas that should be considered in the design are MANPRINT, ease of use, simplicity, and ease of modification to the LHS.

C.2.1.1 Concepts: The contractor shall explore several concepts and define the process and procedures required for stowing all components of the CHU that currently do not have onboard stowage locations.

C.2.1.2 The contractor shall identify a minimum of two reasonable and feasible concepts.

C.2.1.3 Constraints: No additional tools shall be added to the CHU or HEMTT-LHS for this purpose. All Material Handling Equipment must be onboard the M1120. Time to stow all components shall not exceed 20 minutes, this is for components where locations and methods are being determined under this contract. Previously designed stowage locations and methods that are effective on the M1120 shall not be altered and do not count against the 20 minute time limit. Total height of the truck with CHU stowed shall not exceed 4m. Weight of any added equipment shall be kept to minimum.

C.2.1.4 Phase I Output: The contractor shall host a joint meeting with the Government at the contractor's facility. The purpose of this meeting will be to determine if the next phase should be conducted and if so to select up to two kit concepts. The risks for each concept shall be defined and assigned a preliminary rating by the contractor. The IPT shall determine the final risks ratings. Written approval from the PCO must be obtained prior to proceeding to the next phase. The contractor shall submit a technical report on the merits of the proposed design(s) per DI-MISC-80652, CDRL A002.

C.2.2 Phase II - Concept Exploration: The contractor shall refine the designs on the concepts selected by the IPT in the preceding phase.

- C.2.2.1 Design: The contractor shall:
- a. Develop a model for each concept approved in the Phase I closeout to include:
 - (1) Finite Element Analysis
 - (2) Motion Simulation
 - b. Develop a Risk Matrix to include all concepts being studied in Phase II. This shall container any new risks identified and update and previous information. This matrix shall include at a minimum the following:
 - (1) Weight

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN DAAE07-00-C-S067 MOD/AMD P00002</p>	<p style="text-align: center;">Page 5 of 7</p>
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| (2) | Complexity |
| (3) | Impact on other functions |
| (4) | Cost for production hardware and installation |
| (5) | Safety |
| (6) | MANPRINT |

C.2.2.2 Phase II Output: The contractor shall host a joint meeting with the Government at the contractor's facility. The purpose of this meeting shall be to determine if the next phase should be conducted. The contractor shall update the technical report submitted in Phase I to include the concepts studied in Phase II, the model of each concept, all finite element analysis conducted and copies of the motion simulations. The summation of the report shall contain the updated Risk Matrix. The updated report shall be submitted as part of the Phase II review. The team will identify one concept to continue into the next phase. Written approval from the PCO must be obtained prior to proceeding to the next phase

C.2.3 Phase III - Build and Test: The contractor shall build and test one prototype.

C.2.3.1 Drawings: The contractor shall prepare and deliver a Level 1 drawing package to the Government per DI-DRPR-81000A(T), CDRL A003 that is suitable to build an operational prototype for the selected design.

C.2.3.2 GFE: The contractor shall build a prototype for an operational test. The Government will provide a HEMTT-LHS or CBT and the CHU components necessary for testing.

C.2.3.2.1 The Government will provide a HEMTT tanker or wrecker and the gun ring mount kit necessary for testing. The contractor will be required to make the necessary minimal fixes (if necessary) required to drive the vehicle to their facility (Troy, MI).

C.2.3.3 Testing: The contractor shall conduct an operational trial of the prototype, videotaping the test. During the test the contractor shall perform only repairs necessary to continue testing that will prove or disprove the concept. Testing will consists of at least 10 stow/unstow cycles. Specific testing shall be determined by the IPT.

C.2.3.3.1 The contractor shall conduct an installation fit test of the gun ring mount kit on the HEMTT. The contractor will follow installation instructions outlined in HEMTT TM series "279". The Government Representative, Gary Balakier (APM), will review and document any changes/corrections to these instructions. After the fit test has been completed, the contractor will remove the kit from the vehicle and commercial pack the kit for shipment.

C.2.3.3.2 The contractor shall provide up to 40 hours of engineering support to provide an analysis of alternate hatch cover design and for engineering support during the fit test of the gun mount kit, if required. The current hatch cover design has a high probability of water leakage into the HEMTT cab. The effort shall provide a design solution to the water leakage problem.

C.2.3.4 Phase III Output: The contractor shall deliver a report per DI-NDTI-80809B, CDRL A004, that contains, the test plan, test report, videotapes of the test and still pictures of any test failures.

C.2.3.5 Phase III Closeout Meeting: The contractor shall host a joint meeting with the government at the contractor's facility. The purpose of this meeting is to determine if it is feasible to build kits for LHS vehicles and if so how many should be built in Phase IV. Written approval from the PCO must be obtained prior to proceeding to the next phase

C.2.4 Phase IV Production Development Requirements (Unfunded): The contractor shall build, for government testing, the quantity of initial production units agreed upon during the Phase III closeout meeting.

C.2.4.1 Contract: The Contractor and Government shall negotiate a firm fixed price option for the number of initial production units determined at the Phase III closeout. Written approval from the PCO must be obtained prior to proceeding to the next phase.

C.2.4.2 Samples: The contractor shall deliver a production sample. This item will be used for validation/Verification of the concept and hardware.

C.2.4.3 Testing: The Government shall conduct pre-production testing at a Government facility. The Government shall be responsible for delivery of the test unit to the test facility The testing shall consist of the following as a minimum:

- | | |
|-----|---|
| (a) | 100 Stow/Unstow Cycles |
| (b) | 1000 miles cross country travel in stowed position, IAW M1120 Mission Profile |
| (c) | Rail Impact in Stowed position |
| (d) | Other testing as determined by the IPT |

C.2.5 Phase V (unfunded): The contractor shall deliver 100 production kits, installation instruction, maintenance instructions, and video training.

C.3 Quality System. The contractor shall maintain a Quality System that addresses all of the elements of the ISO 9000 Series or

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an equivalent commercial or contractor system. This system shall be in place thirty days after contract award. The contractor shall retain all examination and test records for a period of four years after contract completion.

C.4 General

C.4.1 Schedule

- 10 DAC Start of Work Meeting
- 90 DAC Phase I Output Review
- 180 DAC Phase II Output Review
- To be determined Phase III Output and Closeout Review (If approved by the PCO)
- To be determined Phase IV Production Sample (If approved by the PCO at Phase III Closeout)

C.4.1.1 -GFE HEMTT to Radian (Troy, MI), NTE 10 DAC

- Ring Mount Fit Test NTE: 30 DAC
- Ring Mount Removal (Ring Mount Packaged Ready to Ship/Vehicle Ready (As Is) NTE: 60 DAC

*** END OF NARRATIVE C 002 ***

Name of Offeror or Contractor: MIL-MAR CENTURY CORP

SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/	OBLG STAT/	INCREASE/DECREASE		CUMULATIVE
ITEM	AMS CD	ACRN	JOB ORD NO	PRIOR AMOUNT	AMOUNT
0001AD	J612M831J6	AB	2	0.00	\$ 4,950.00
	511089		1ZHT21		\$ 4,950.00
NET CHANGE				\$	4,950.00

SERVICE	NET CHANGE	ACCOUNTING	INCREASE/DECREASE
NAME	BY ACRN	STATION	AMOUNT
Army	AB	21 12035000016D6D12P511089252G S20113	\$ 4,950.00
NET CHANGE			\$ 4,950.00

PRIOR AMOUNT	INCREASE/DECREASE	CUMULATIVE
OF AWARD	AMOUNT	OBLIG AMT
NET CHANGE FOR AWARD: \$ 232,846.00	\$ 4,950.00	\$ 237,796.00